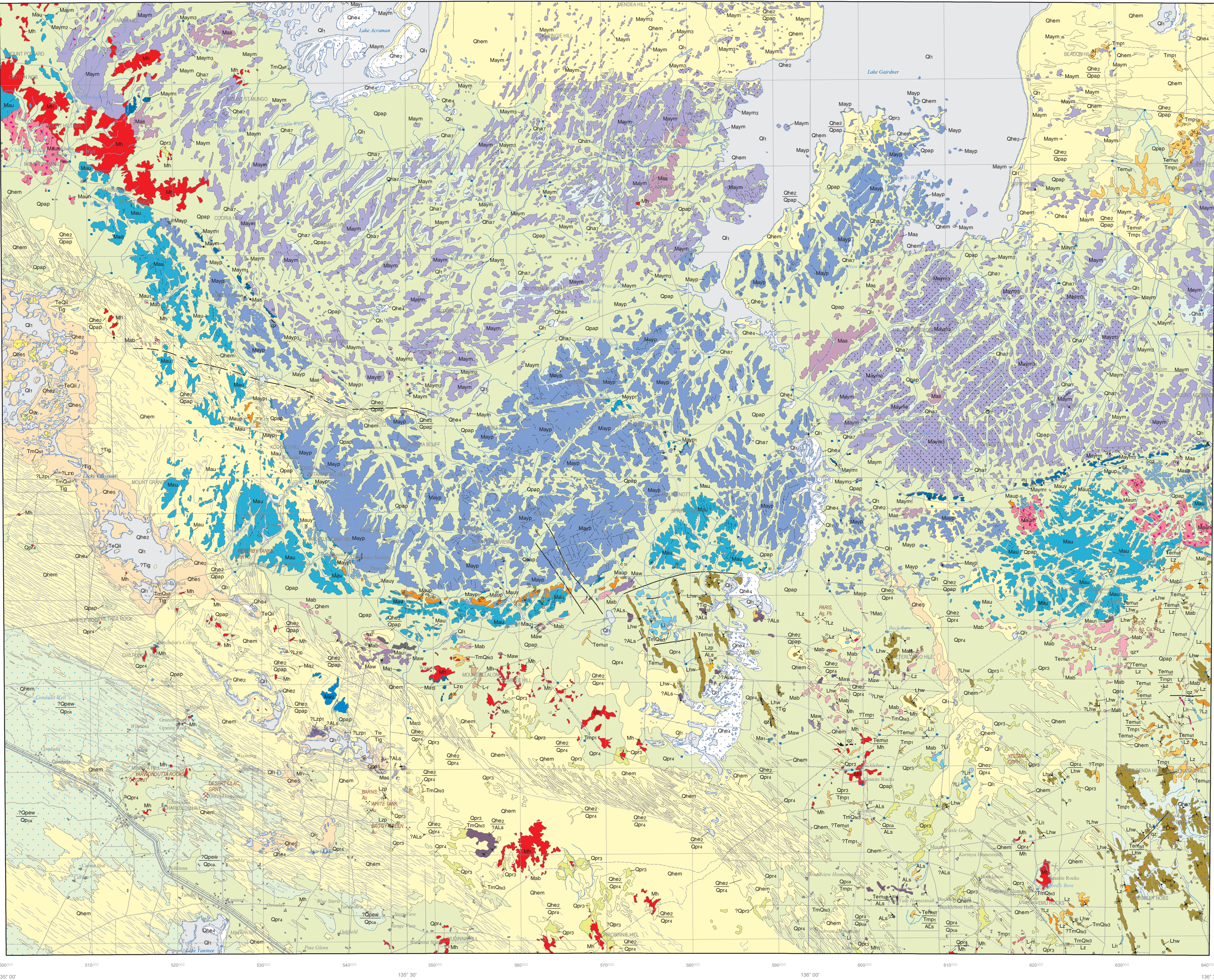


YARDEA

GEOLOGICAL SURVEY OF SOUTH AUSTRALIA
DEPARTMENT FOR ENERGY AND MINING

SA GEOLOGICAL ATLAS SERIES SHEET S15303

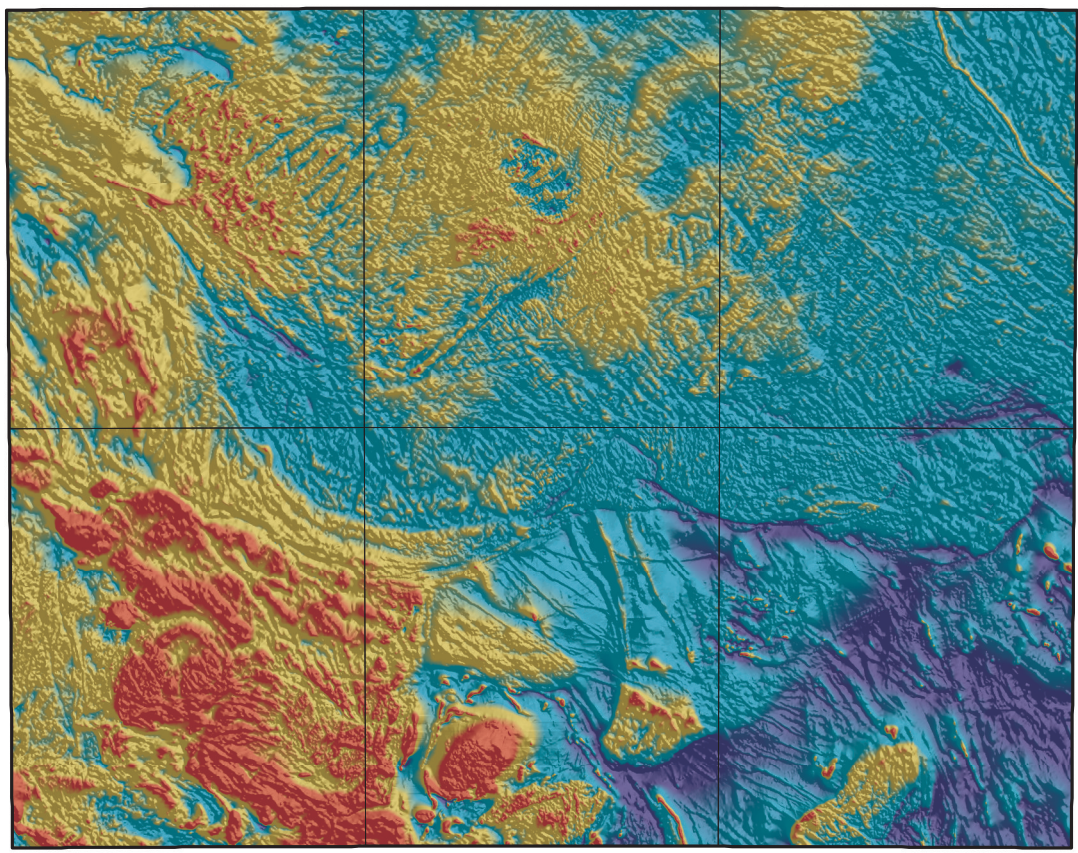
AUSTRALIA 1:250 000



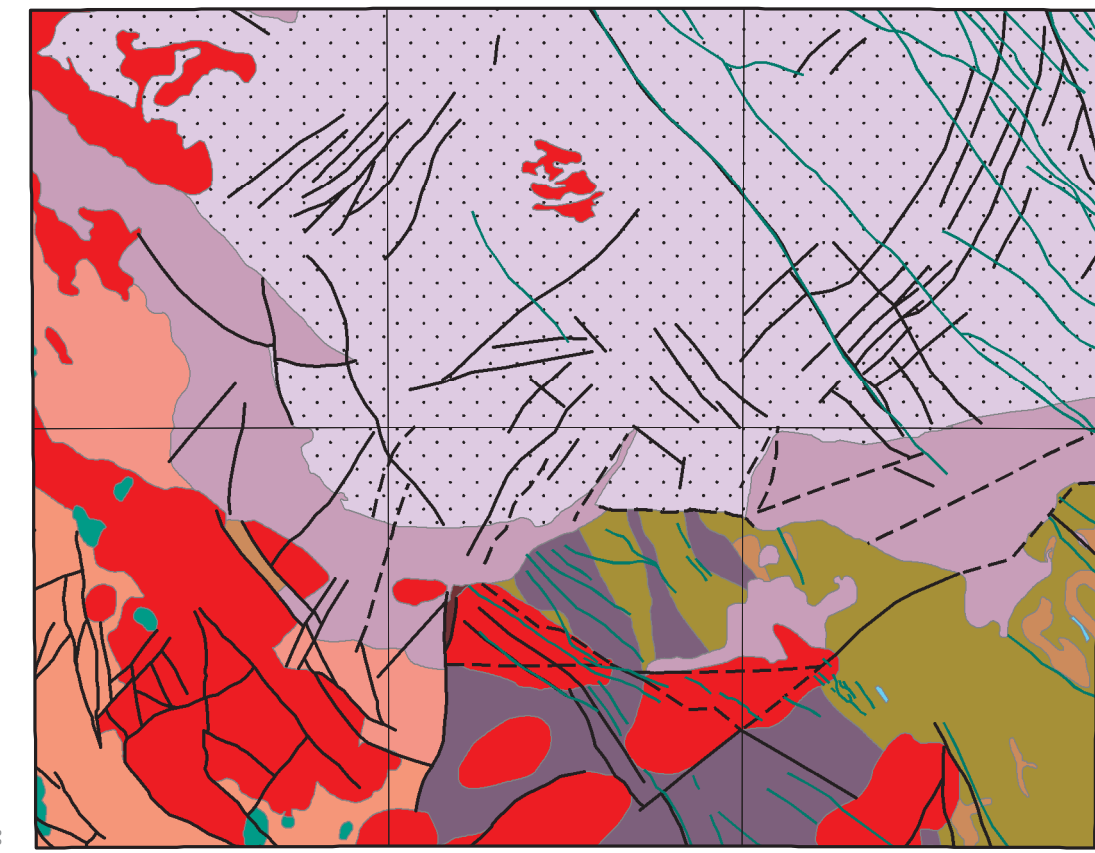
REFERENCE

HOLOCENE	MOONABEE DACITE MEMBER
Ch ₁	MOONABEE DACITE MEMBER UNIT 1: 1. Dacite, massive, red, commonly columnar jointed, porphyritic with phenocrysts of plagioclase, pyroxene, orthopyroxene, up to 1 per cent quartz phenocrysts in microcrystalline matrix.
Ch ₂	MOONABEE DACITE MEMBER UNIT 2: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
Ch ₃	MOONABEE DACITE MEMBER UNIT 3: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
Ch ₄	MOONABEE DACITE MEMBER UNIT 4: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
Ch ₅	MOONABEE DACITE MEMBER UNIT 5: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
Ch ₆	MOONABEE DACITE MEMBER UNIT 6: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
Ch ₇	MOONABEE DACITE MEMBER UNIT 7: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
Ch ₈	MOONABEE DACITE MEMBER UNIT 8: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
Ch ₉	MOONABEE DACITE MEMBER UNIT 9: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
Ch ₁₀	MOONABEE DACITE MEMBER UNIT 10: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
Ch ₁₁	MOONABEE DACITE MEMBER UNIT 11: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
Ch ₁₂	MOONABEE DACITE MEMBER UNIT 12: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
Ch ₁₃	MOONABEE DACITE MEMBER UNIT 13: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
Ch ₁₄	MOONABEE DACITE MEMBER UNIT 14: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
Ch ₁₅	MOONABEE DACITE MEMBER UNIT 15: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
Ch ₁₆	MOONABEE DACITE MEMBER UNIT 16: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
Ch ₁₇	MOONABEE DACITE MEMBER UNIT 17: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
Ch ₁₈	MOONABEE DACITE MEMBER UNIT 18: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
Ch ₁₉	MOONABEE DACITE MEMBER UNIT 19: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
Ch ₂₀	MOONABEE DACITE MEMBER UNIT 20: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
Ch ₂₁	MOONABEE DACITE MEMBER UNIT 21: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
Ch ₂₂	MOONABEE DACITE MEMBER UNIT 22: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
Ch ₂₃	MOONABEE DACITE MEMBER UNIT 23: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
Ch ₂₄	MOONABEE DACITE MEMBER UNIT 24: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
Ch ₂₅	MOONABEE DACITE MEMBER UNIT 25: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
Ch ₂₆	MOONABEE DACITE MEMBER UNIT 26: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
Ch ₂₇	MOONABEE DACITE MEMBER UNIT 27: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
Ch ₂₈	MOONABEE DACITE MEMBER UNIT 28: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
Ch ₂₉	MOONABEE DACITE MEMBER UNIT 29: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
Ch ₃₀	MOONABEE DACITE MEMBER UNIT 30: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
Ch ₃₁	MOONABEE DACITE MEMBER UNIT 31: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
Ch ₃₂	MOONABEE DACITE MEMBER UNIT 32: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
Ch ₃₃	MOONABEE DACITE MEMBER UNIT 33: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
Ch ₃₄	MOONABEE DACITE MEMBER UNIT 34: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
Ch ₃₅	MOONABEE DACITE MEMBER UNIT 35: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
Ch ₃₆	MOONABEE DACITE MEMBER UNIT 36: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
Ch ₃₇	MOONABEE DACITE MEMBER UNIT 37: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
Ch ₃₈	MOONABEE DACITE MEMBER UNIT 38: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
Ch ₃₉	MOONABEE DACITE MEMBER UNIT 39: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
Ch ₄₀	MOONABEE DACITE MEMBER UNIT 40: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
Ch ₄₁	MOONABEE DACITE MEMBER UNIT 41: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
Ch ₄₂	MOONABEE DACITE MEMBER UNIT 42: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
Ch ₄₃	MOONABEE DACITE MEMBER UNIT 43: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
Ch ₄₄	MOONABEE DACITE MEMBER UNIT 44: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
Ch ₄₅	MOONABEE DACITE MEMBER UNIT 45: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
Ch ₄₆	MOONABEE DACITE MEMBER UNIT 46: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
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Ch ₄₈	MOONABEE DACITE MEMBER UNIT 48: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
Ch ₄₉	MOONABEE DACITE MEMBER UNIT 49: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
Ch ₅₀	MOONABEE DACITE MEMBER UNIT 50: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
Ch ₅₁	MOONABEE DACITE MEMBER UNIT 51: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
Ch ₅₂	MOONABEE DACITE MEMBER UNIT 52: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
Ch ₅₃	MOONABEE DACITE MEMBER UNIT 53: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
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Ch ₅₅	MOONABEE DACITE MEMBER UNIT 55: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
Ch ₅₆	MOONABEE DACITE MEMBER UNIT 56: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
Ch ₅₇	MOONABEE DACITE MEMBER UNIT 57: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
Ch ₅₈	MOONABEE DACITE MEMBER UNIT 58: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
Ch ₅₉	MOONABEE DACITE MEMBER UNIT 59: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
Ch ₆₀	MOONABEE DACITE MEMBER UNIT 60: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
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Ch ₆₄	MOONABEE DACITE MEMBER UNIT 64: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
Ch ₆₅	MOONABEE DACITE MEMBER UNIT 65: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
Ch ₆₆	MOONABEE DACITE MEMBER UNIT 66: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
Ch ₆₇	MOONABEE DACITE MEMBER UNIT 67: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
Ch ₆₈	MOONABEE DACITE MEMBER UNIT 68: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
Ch ₆₉	MOONABEE DACITE MEMBER UNIT 69: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
Ch ₇₀	MOONABEE DACITE MEMBER UNIT 70: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
Ch ₇₁	MOONABEE DACITE MEMBER UNIT 71: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
Ch ₇₂	MOONABEE DACITE MEMBER UNIT 72: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
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Ch ₇₈	MOONABEE DACITE MEMBER UNIT 78: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
Ch ₇₉	MOONABEE DACITE MEMBER UNIT 79: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
Ch ₈₀	MOONABEE DACITE MEMBER UNIT 80: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
Ch ₈₁	MOONABEE DACITE MEMBER UNIT 81: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
Ch ₈₂	MOONABEE DACITE MEMBER UNIT 82: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
Ch ₈₃	MOONABEE DACITE MEMBER UNIT 83: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
Ch ₈₄	MOONABEE DACITE MEMBER UNIT 84: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
Ch ₈₅	MOONABEE DACITE MEMBER UNIT 85: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
Ch ₈₆	MOONABEE DACITE MEMBER UNIT 86: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
Ch ₈₇	MOONABEE DACITE MEMBER UNIT 87: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
Ch ₈₈	MOONABEE DACITE MEMBER UNIT 88: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
Ch ₈₉	MOONABEE DACITE MEMBER UNIT 89: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
Ch ₉₀	MOONABEE DACITE MEMBER UNIT 90: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
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Ch ₉₂	MOONABEE DACITE MEMBER UNIT 92: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
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Ch ₉₄	MOONABEE DACITE MEMBER UNIT 94: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
Ch ₉₅	MOONABEE DACITE MEMBER UNIT 95: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
Ch ₉₆	MOONABEE DACITE MEMBER UNIT 96: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
Ch ₉₇	MOONABEE DACITE MEMBER UNIT 97: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
Ch ₉₈	MOONABEE DACITE MEMBER UNIT 98: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
Ch ₉₉	MOONABEE DACITE MEMBER UNIT 99: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.
Ch ₁₀₀	MOONABEE DACITE MEMBER UNIT 100: Dacite, massive, red, porphyritic with scattered granitic and felsic clasts as 'boulders' and 'floats'.

TOTAL MAGNETIC INTENSITY IMAGE



SOLID GEOLOGY INTERPRETATION



SCALE 1:250,000

KILOMETRES 0 5 10 15 20 25 KILOMETRES

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Computer generated from SA GEOLOGY database (Digital data available upon request). Current version 2018 Digital

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Gray shaded lines indicate the 1000 metre Map Grid Transverse Mercator Projection, Geocentric Datum Australia, 2020.

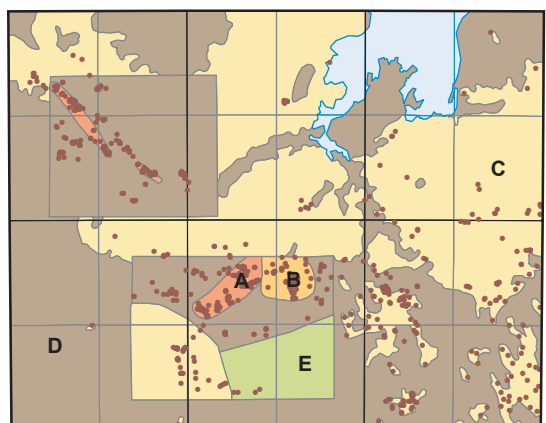
The lake boundaries displayed on this map may have been derived from geological interpretation and may not match lakes interpreted by topographic mapping authorities. Not all structures are represented on this particular map.

Mapping and Compilation by A.H. Bisset, M.Sc., A.J. Parker, Ph.D., and A.F. Crooke, B.Sc., with contributions by S.R. Allen, Ph.D., C.J. Simpson, Ph.D., J. McNeil, Ph.D., S.J. Day, B.Sc.(Hons), M.C. Berlow, B.Sc., C.W. Giles, Ph.D., G.J. Ambrose, B.Sc.(Hons), S.D. McInerney, B.Sc.(Hons), C.E. Wade, B.Sc.(Hons), and W.M. Conley, B.Sc.(Hons), William Aust. Pty Ltd and G.R.A. Exploration Pty Ltd.

R.C. Calcraft, Director, Geological Survey of South Australia.

Geological boundaries displayed on this map have been derived from geological interpretation and are not intended to be used for navigational purposes. Copies of this map can be obtained from the Department for Energy and Mining SA, Adelaide, 2020.

GEOLOGICAL RELIABILITY DIAGRAM



Yardea sheet published 1988
Geological Field Observations
A. Detailed ground traverses
B. Image interpretation with limited ground traverses
C. Image interpretation with potentially some minor ground traverses
D. Image interpretation only
E. Interpretation of existing mapping

SCALE 1:250,000

INDEX TO 1:100 000 SHEETS

Yarbo 5933	Yardea 6033	Kolendo 6133
Mimipa 5932	Canippa 6032	Buckleboo 6132

INDEX TO ADJOINING 1:250 000 SHEETS



DIGITAL EDITION
SUBJECT TO AMENDMENT
See published printed map for further information

CULTURAL FEATURES

PRINCIPAL ROAD	_____
SECONDARY ROAD	_____
MINOR ROADS	_____
VEHICULAR TRACKS	_____
OPERATIONAL RAILWAY	_____
FENCE	_____
WATER PIPELINE	_____
GENIVISED POINT	_____
BUILDING	_____
LANDING GROUND	_____

HYDROGRAPHIC AND GEOMORPHIC FEATURES

INTERMITTENT LAKE	_____
MAJOR WATERCOURSE	_____
FLOODPLAIN	_____
WATERHOLE	_____
BORE	_____
WATER TANK	_____
SAND RIDGE	_____

GEOLOGICAL BOUNDARY

GEOLOGICAL BOUNDARY POSITION ACCURATE	_____
GEOLOGICAL BOUNDARY POSITION APPROXIMATE	_____

LINEAR STRUCTURES

FAULT POSITION ACCURATE	_____
GYPSITE DUNES	_____
JOINT PATTERN	_____
JOINT PATTERN AIRPHOTO INTERPRETED	_____

STRUCTURAL FEATURES

ORIGINALLY HORIZONTAL SEDIMENTARY BEDDING - VERTICAL	_____
COLUMNAR JOINT AXIS	_____
JOINT - VERTICAL	_____
JOINT	_____
S-STYLE STRATIGRAPHIC FOLD AXIS	_____
SLATY CLEAVAGE - VERTICAL	_____
SLATY CLEAVAGE	_____
TECTONIC FOLIATION - VERTICAL	_____
TECTONIC FOLIATION	_____
VOLCANIC FLOW BANDING - VERTICAL	_____
VOLCANIC FLOW BANDING	_____

MINING

OCCURRENCE	_____
PROSPECT	_____
DEROSIT - NO MINING	_____
QUARRY - CONSTRUCTION MATERIALS (HARD ROCK)	_____

COMMODITIES

Ag	Silver
Au	Gold
Cu	Copper
Fe	Iron
GRHT	Granite
GRPH	Granite
PHVO	Lead
Sn	Tin
U	Uranium
W	Tungsten
Zn	Zinc